THE TECH

VOL. XXIX. NO. 156. BOSTON, MASS., FRIDAY, MAY 6, 1910 PRICE ONE CENT

ANNUAL BANQUET OF C. E. SOCIETY A GREAT SUCCESS

Large Gathering Hear Interesting Talks By Graduates And Prominent Men

With a most enjoyable and well attended banquet the Civil Engineering Society last evening closed what has been one of the most successful years in its history. The banquet was held at the American House and with four entertaining speakers and the Tech orchestra to furnish the music, a very pleasant evening was passed. As a part of the musical program, G. F. Maglott 1910 sang "I got an F in my Physics, etc." which gained such popularity at the recent Biological dinner. President Waller acted as toastmaster.

The new Civil Engineering Summer School was the subject taken by Professor Spofford who was the first speaker on the program. Prof. Spofford pointed out that in the early days of the Institute the land in Back Bay was built up very little, so that there was abundant room near by for all necessary field work on surveying. With the growth of the city however, it has been necessary to hold the field work farther and farther out in the suburbs, with the consequent serious loss of time and proper facilities. This is all the more troublesome now when, with the development of the structural branch of Civil Engineering, less time is available for the surveying courses. Besides this is the fact that men coming to Tech from other colleges who are necessarily irregular in their work, find it hard to arrange their schedules to obtain a whole day per week, which is necessary for field work, it sometimes being necessary for them to stay an extra year on this account.

Definite plans have not been drawn up as yet, but it is the intention to have all the Surveying, Railroad Engineering and Hydraulic field work performed during the summer at some camp, especially provided for the purpose, where the required facilities may be provided. No location has been selected as yet, but it is probable that it will be in Maine near some river where Hydraulic measurements may be carried on.

Professor Spofford spoke particularly of the advantages of a camp of this kind from the point of view of the student. The men can be brought in closer relation to each other at a place like this than is possible in the class room and lasting friendships are formed.

Besides, it would not be "all work and no play," but the fellows could enjoy themselves to some extent, the same as at any summer camp.

It is not known how soon the plans can be perfected and the scheme carried out, as no appropriation has been made as yet.

Mr. Lucius Tuttle, President of the Boston and Maine R. R., was the next speaker. He said in part: "No doubt all of you have in mind some man as an ideal of a hero, Alexander, Caesar, Napoleon or Wellington. But I do not consider any man as a hero who benefits his country by treading down others. My idea of a hero is one who benefits the whole world through science, such as the science of medicine. Such a man is that great Frenchman, Louis Pasteur."

Then Mr. Tuttle gave a life history of Pasteur, showing the marvellous achievements of this man in bacteriology and medicine. Pasteur came from peasant ancestry, but received a good education from his father, who had been a officer under Napoleon. He early showed remarkable ability in origina

(Continued on page 2.)

TECH COMPETES WITH WESLEYAN IN DUAL TRACK MEET

Middletown Team Is Favorite But Results Will Probably Be Close

Twenty-two Technology athletes start Saturday morning at 8.20 from the Back Bay station for Middletown, Conn., there to compete with Wesleyan University in a dual track meet.

This is Tech's first and only dual track meet this year. Last week Williams tied Wesleyan in their first meet by the score of 63 to 63. Tomorrow's contest will be very close with slight odds in favor of Wesleyan.

Wesleyan will no doubt take the dashes, Robeson, Hastings and Wood being star men in these events. Robeson should easily carry off first place in both the 100-yd. and 220-yd. dashes. Trull, the Technology freshman track captain should take a place in the century sprint, but he will have to fight hard to take second place from Hastings of Wesleyan. Salisbury 1911 and Wood of Wesleyan will be favorites for second place in the 220-yd. run. Gould 1911 should also show up well in this event. Wood, who did the quarter in about 51 seconds in the Williams-Wesleyan meet, should win the 440-yd. run tomorrow, with Salisbury and Gould following him closely.

All the distance runs shoud go to Tech, White 1911 winning the half-mile, Mills 1911 capturing the mile and Watkins 1912 taking first in the two-mile. Schlee of Wesleyan is picked for a place in the 880-yd. run, but Bylund 1913 and Sampson 1913 should give him a tussle for it. Germain 1913 will probably give Harris or Thompson of the Middletown team a very close run for second place in the mile. Connor will probably carry off second honors in the two-mile while Earl Ferry 1912 will surely capture third.

Pead 1910 should take either first or second in the high hurdles, but he will have to do his best to defeat Wendell, who was second in the Williams meet, Captain Bacon of Wesleyan should take third in this event. First place in the 220-yd. hurdles will also go to Capt. Bacon, but Tech should take the other places with either Capt. Allen, Cummings 1910 or Pead 1910.

Dalrymple 1912 is billed to take first in the high jump, but the other two places will probably be captured by Wesleyan, Wright and Sutherland, both being able to do 5 ft. 5 in. Alvord 1912 might place however. W. D. Allen 1911 should easily win the pole-vault: Boyd will probably take second, and Greenleaf 1912 has a good chance for last place. Hanna of Wesleyan will no doubt capture the broad jump with Capt. Allen and Greenleaf 1912 of Tech taking the other places in the order named.

Wesleyan will take the majority of the points in the weight events. Parkinson can easily take the shot-put and Hanna may be depended upon to win first place in the discus throw. Chamberlain 1911 should take second in the shot and third in the hammer and discus throws. Bray 1912 should take first honors in the hammer with Bernhard second. McLeod 1913 is good for second in the discus throw.

Following are the Technology entries:

100-yd. dash—C. E. Trull 1913, J. J. Strachan 1913 or H. G. Burnham 1913

220-yd. dash—W. C. Salisbury 1911, R. H. Gould 1911, C. E. Trull 1913, M. A. Oettinger 1912.

440-yd. dash.—W. C. Salisbury 1911, R. H. Gould 1911, H. Lockett 1911.

880-yd. run—P. D. White 1911, R. S. Sampson 1913, W R. Bylund 1913.

Mile-run.—L. O. Mills 1911, E. B. Germain 1913, R. D. VanAlstine 1913.

Two-mile run.—H. G Watkins 1912, E. E. Ferry 1912, H. S. Benson 1912.

120-yd. hurdles—W. J. Pead 1910, G. B. Cummings 1910.

220-yd. hurdles.—W. J. Pead 1910, G. B. Cumings 1910, R. H. Allen 1910.

High jump.—P. W Dalrymple 1912, R. H. Allen 1910, H. B. Alvord 1912.

Broad jump.—R. H. Allen 1910, H. Greenleaf 1912.

Pole-vault.—W. D. Allen 1911, H. Greenleaf 1912.

Hammer-Shot-put-Discus.—J. L. Bray 1912, O. V. Chamberlain 1911, N. D. McLeod 1913.

Technology will be represented among the officials by E. H. Lorenz 1905, field judge and A. R. Hunter 1905, track judge. Both these men were prominent in athletics while they were in the Institute, being well-known cross-country runners.

FRESHMEN BASEBALL

Captain Severance's baseball team will meet the Mechanic Arts High School nine at Tech Field this afternoon. M. A. H. S. has been playing rather inconsistent ball this season and it looks as though the freshmen would be able to trim them. The same men who played in the game against the Sophs will probably be in the line-up today.

COMMUNICATION

To the Editor of The Tech:—A lot of the fellows seem disappointed at the rejection to the honor system idea. They tell of the marvelous advantages that would have been reaped by Technology students.

Since we are not to have the honor system here in a formal way, why not have it here in spirit—which is the main thing after all. Why not begin by seeing that no more magazines disappear from the Union? Then why not see that the late unpleasantness which the Prom Committee experienced is fixed up? Last, but not least, why not redeem that red blank you signed, engaging to buy a copy of Technique 1911? Leaving aside the question of honoring your own signature, can't we muster enough school spirit to help one of the important student activities after twenty of the fellows have put nearly a year of work on it?

Here's the whole thing: Are we to ACT the honor system and redeem our pledges, or allow the members of the Technique Board to pay $300.00 out of their own pockets for books, which are covered by students' pledges, after they have done their share of work on book already?

C. S. ANDERSON.

The number of undergraduates registered in the correspondence course at Wisconsin has increased from 72 in 1907 to 3,895 this year.

The trustees of the Rhodes scholarships have issued a statement showing that 179 men were recipients of Rhodes honors last year. Of this number 90 were from the United States, 78 from the British Colonies, and 11 from Germany.

CHEMICAL SOCIETY NOMINATES OFFICERS

Dr. Warren K. Lewis Speaks On The Processes Of Tanning Leather

The talk which was given before the Chemical Society last night was particularly good because Dr. Lewis made it a point to give his own ideas and the opinions which he had formed for himself since leaving Tech, instead of repeating the thoughts of other people.

The meeting was called to order at 8.15 by President Lunt, and nominations for officers for the next term were called for. The following men were nominated:

For President, R. W. Lewis 1911, C. R. Johnson 1911 and S. H. Lawton 1911.

For Vice-President, W. C. Wilson 1911, and S. L. Hayes 1911.

For Secretary, L. M. White 1911, and J. R. Bell 1911.

For Treasurer, R. L. Comstock 1912, and B. Torrey, Jr., 1912.

For Executive Committee, N. Duffett 1911, and E. M. Symmes 1911.

Dr. Warren K. Lewis 1905 was introduced by Pres. Lunt as the speaker of the evening. Dr. Lewis is chemist for W. H. McElwain Co., one of the largest firms of tanners in New England. The subject of Dr. Lewis' lecture was "Tanning."

He began by pointing out to the men the fact that a man usually does his best work if he engages in the line in which he is particularly interested. He further said that the opportunities for chemists of the right sort in the leather business were very large because most of the chemical problems, either of the tanning methods or of the analytical procedure, are at present unsolved.

The process of preparing a piece of leather was then outlined. The skin is removed from the animal and comes to the tanner in its wet condition, called "green hide," or dried. It is soaked in water for a considerable length of time and then milled to make it flexible. The bits of flesh adhering to it are then removed, either by hand or machinery, and next the hair is removed from the hide. This may be done by one of three methods: (1) by soaking in lime and sulfid water long enough to loosen the hair, and then removing it mechanically; (2) by dissolving the hair in a strong lime and sulfid bath; (3) by allowing the hides to putrefy long enough to loosen the hair, and then removing.

The hides are then soaked in an acid bath, and put into the tan liquor. The usual tan liquor is either a solution of tannic acid extracted from oak or similar bark, or a solution of sodium chromate. The tanning substance combines with the hide fibre to form the insoluble substance called leather. In the old days hides were tanned for many months, sometimes even for several years, but today the American tanner completes the whole process in from two to four months.

(Continued on page 3.)

CALENDAR.

Friday, May 6.

3.00 1913 M. A. H. S. Baseball, Tech Field.

4:30 P. M.—Technique 1912 Board Meeting.

6.30 P. M.—New York State Club, dinner and election of officers, Lombardy Inn.

Saturday, May 7.

12.00 1912, Dean Baseball, Meet in Union.

2.00 Tech-Wesleyan Meet, Middletown.

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BOSTON, MASS., MAY 6, 1910.

All hail the sun!

Technology or Wesleyan?

Tech rows Harvard Seniors today.

Let's give 'em a rousing send-off tomorrow.

Don't forget to vote on the Honor System!

Watch for the Exam. schedule in The Tech.

Wonder if Halley's comet will have any effect on final exams?

"Jim" Francis is coaching this year's annual show at Wesleyan.

Quoth Pres. Tuttle of the B. & M.: "It's great to be a Hero!"

A permanent summer school in the Rangeley woods now seems assured.

Mr. Albers favors Tech audiences, rather than any "tribunal" he has yet faced.

Technique 1912 gets officially started today. May you and your associates have the best of success, Mr. Kebbon!

"The Stein Song" by our own Henry Bullard, was greeted with wild cheers by Tufts men at the Pops last night.

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ANNUAL BANQUET

(Continued from page 1.)

investigations and soon disp... many doctrines held at that time, including the idea of spontaneous generation of life. But his attention was attracted to practical affairs, and he was called to investigate the disease of the silk-worm which was causing great loss of profit in that industry.

Pasteur found that the disease was caused by a microbe and also found a cure for it. By this he saved the people of France a sum of twenty million dollars per year, but he refused to accept any pay whatever for his services. Next he turned his attention to the disease, Anthrax, which caused the death of enormous numbers of ca... and also of men. In this also, by ... ing the germ and the antidote, he rendered the world an inestimable service for which also he refused remuneration. Other discoveries followed rapidly, such as the cure for chicken and hog cholera and in the fermenting of yeast. Then came his recommendation of antiseptic and asceptic surgery, which has reduced the death rate in operations so greatly.

But his last and greatest work is the cure for hydrophobia, which at one time was a serious plague in France. In view of all these great works, Pasteur leaves behind him a noble example of a hero for everyone to follow.

Mr. Bemis, president of alumni, emphasized in his talk the necessity of a civil engineer first grasping the essential points of a problem and then suiting the details to the general plan. He took as an example the design of a bridge where it is first necessary to determine the general type of structure be used, and then fill in all the details accurately.

The Great Accomplishments and Fi... of the Civil Engineer was the general topic of the talk of Mr. Albers, who is so well known to all from his connection with Business Law. Within the last hundred years, the world has been taking rapid strides in the direction of peace and it is no longer the Military or Naval Engineer who is all important, but the civil engineer. It is to him that the world now looks for progress and that progress during the last century has been wonderful. But even now the United States spends as much for one battleship as would build and maintain as large a technical school as the Massachusetts Institute of Technology. The graduate of Tech should remember that the Institute spends upon him twice as much as his tuition amounts to, and he should, after achieving success in the world, try to pay it back in some manner to the institution which has enabled him to achieve such success.

In response to an encore, Mr. Albers stated that a Tech audience was the most plasing "tribunal" to stand before of any which he has encountered in his varied experiences.

After this talk the meeting broke up about eleven o'clock, with the singing of the Stein Song.

ARTICLE ON M. I. T.

The New England Magazine, June issue, will contain an article on the Massachusetts Institute of Technology. The article is to deal with the great value of Institute training, as well as giving a historical sketch, a detailed description of the equipment used, and a summary of future hopes and prospects. The article will have the sanction and full co-operation of the Faculty.

This issue of the New England Magazine will make an excellent souvenir and should give the Institute a valuable account of publicity in the outside world and among prospective students.

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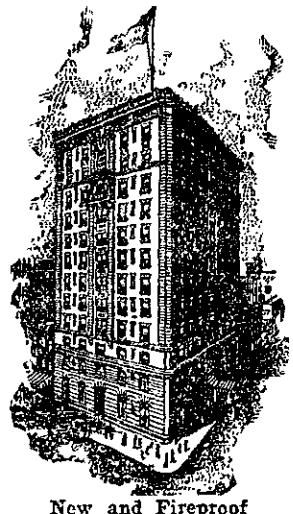

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NEWS OF THE THEATRES

Raymond Hitchcock and his merry company are closing their long stay at the Tremont in "The Man Who Owns Broadway."

"Three Twins" is making merry at the Boston Theatre. Clifton Crawford and Mayme Gehrue set a lively pace for their associates.

Ethel Barrymore is to bring to the Hollis next week "In Mid-Channel," Pinero's latest effort. Mrs. Fiske has but the current week here in "Pillars of Society."

William Hodge is one of the perennial favorites, and other attractions come or go, but "The Man from Home" sticks right along and does business in the same old way.

"The Girl in the Taxi" is pending. After a profitable Chicago engagement it is tearing itself away for a gay spring in Boston at the Tremont. It will follow Mr. Hitchcock.

Charlotte Hunt and her stock company will begin a season at the Majestic Theatre on Monday, offering for the first week "The Blue Mouse." James K. Hackett in "M. Beaucaire" will remain for the current week only.

"The County Fair" is having a great success at the Castle Square. So popular is it that it will be continued for a second and last week, beginning next Monday. The production of "My Wife" has been postponed till week after next.

A musical play, "Goddess of Liberty," which Chicago liked much and which New York saw and heard rather more coolly at midwinter, will follow Mr. Faversham and "Herod" at the Shubert on May 16, very probably to end the season there.

For the first time in twenty-odd years of "The 'Pops," the form of the programme has changed. The little square newspaper, so to say, that the audience used to receive has vanished. In its stead has come a rectangular "booklet," with a cover in soft yellow, pleasantly designed and colored.

This is positively the farewell of "The Third Degree" at the Colonial Theatre. Helen Ware is as brilliant a star as ever. Next Tuesday the Colonial will have Robert Edeson in his new play, "Where the Trail Divides," written by Mr. Edeson himself from a novel by Will Lillibridge.

Theatregoers who have been accustomed to think of George Beban in the part of an excitable Frenchman are getting a pleasant surprise at Keith's this week, where he is appearing in "The Sign of the Rose." Mr. Beban's work as the poor Italian who is mistaken for a Black Hand agent is one of the best bits of character acting seen here this season.

William Faversham in his spectacular production of Stephen Phillips' "Herod" is proving a big attraction at the Shubert Theatre this week. It has been a long time since the theatregoers of Boston have been favored with so elaborate and highly artistic a presentation. The important rôle of Mariamne, Herod's consort, is played by Julie Opp. Next week will conclude the "Herod" engagement.

CHEMICAL SOCIETY

(Continued from page 1.)

In the leather business general conclusions drawn from very limited observation are sure to result in disaster, and therefore the chemist must be exceedingly careful before he forms any conclusions at all.

In concluding his lecture Dr. Lewis enumerated some of the many problems which are at present unsolved, but which must be solved in the future. Some of these are the question of allowable and injurious fillers in leather, the reason why chrome tanned leather has such different properties from vegetable tanned, the nature of the processes which take place in the different parts of the manufacture, and lastly, the quickest and most reliable analytical methods to be used.

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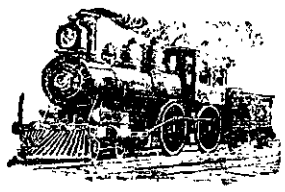
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NOTICES

ELEMENTS OF ELECTRICAL ENGINEERING 653—COURSE II.

The regular Friday lecture will be held this week instead of the recitations, as previously announced.

HARRISON W. SMITH.

LECTURES BY MR. BARNABY.

Lectures will be given by Mr. Sidney W. Barnaby at 4.00 P. M. in Room 11 Engineering Building B on the 10th, 12th, 16th, 18th and 20th, to students of the Department of Naval Architecture and Marine Engineering. Students of other Departments are also cordially invited to attend.

C. H. PEABODY.

COURSE ISSUES.

The Tech is considering having sets of the Course issues bound. The price will of course depend on the number. If those who would desire such a volume would signify such desire by leaving a note to that effect in one of The Tech boxes, matters would be greatly facilitated.

It is understood that this note would in no wise bind the writer, provided the price was considered too high.

The pages have been numbered consecutively in each issue so that they will go together very well in bound form; and so arranged, they would be a source of information on the various courses from a personal standpoint that is nowhere else to be found.

FOR SALE—Two 17-foot canoes for sale, in the best of condition. See Frazier or Fitzherbert, in The Tech office.

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